



ज्ञान-विज्ञान विमुक्तये

Sponsored by
University Grants Commission



Organized by

**UGC – Malaviya Mission Teacher
Training Centre, Jawaharlal Nehru
Technological University Hyderabad,
Kukatpally, Hyderabad, Telangana.**

About UGC-MMTTC, JNTUH:

UGC-Malaviya Mission Teacher Training Centre (Formerly known as UGC-Human Resource Development Centre), Jawaharlal Nehru Technological University Hyderabad was established in the year 2000 and sponsored by University Grants Commission, New Delhi. The Malaviya Mission Teacher Training Centre of JNTUH organizes UGC sanctioned programmes viz., Faculty Induction Programmes, Orientation Programmes, Refresher Courses, Short Term Training Programmes, NEP Orientation & Sensitization Programmes and Workshops and AICTE sponsored STTP programmes and Faculty Development Programmes, Outreach Programmes and other Self-Financing Programmes on thrust areas for in-service teachers and also for newly appointed teaching faculty on a regular basis, to update the knowledge and skills in their respective fields.

During the current academic year a Two Week Online Refresher Course on “**Robotics and Additive Manufacturing**” is proposed to be organized by UGC-MMTTC, JNTUH during 06-10-2025 to 21-10-2025, through ONLINE.

NO REGISTRATION FEE

Certificate will be issued to the participants on successful completion of the course.

Major Course Contents:

- Intelligent and Autonomous Robots Using AI-Tools
- Dynamics and Control of Autonomous Vehicles
- Robotics: Past, Present and Future Emerging Challenges, Robot Control
- Additive manufacturing for medical device manufacturing
- Modern welding and joining technologies: Role in additive manufacturing
- Advances in AR-VR based simulators
- Advances in robotic automation: Present trend and way forward
- Case studies: Application to engineering problems
- Pneumatically actuated Soft robots by topology optimization
- Additive manufacturing constraints in soft robot designs
- Powder bed friction stir additive manufacturing,
- Dynamic Systems and Control, Robotics, Manufacturing
- Rapid Prototyping, Shape memory alloy in Robotics
- Adam View software for Robotics
- Modeling and Control of the legged robotic systems
- Industry 4.0 implement in manufacturing company

Two -Week Online Refresher Course on “Robotics and Additive Manufacturing”

06-10-2025 to 21-10-2025

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CHIEF PATRON



Prof. T. Kishen Kumar Reddy
Hon'ble Vice-Chancellor
JNTUH, Hyderabad, T.G.

PATRON



Dr. K. Vijaya Kumar Reddy
Rector, JNTUH
Hyderabad, T.G.

PATRON



Dr. K. Venkateswara Rao
Registrar, JNTUH
Hyderabad, T.G.

CONVENER



Dr. M. Sushama
Director (I/c), UGC MMTTC,
JNTUH, Hyderabad, T.G.

COORDINATOR



Dr. B. Balu Naik
Sr. Professor in Mechanical Engineering &
Director of Admissions,
JNTUH, Hyderabad, T.G.

Eligibility:

- The faculty members from the departments of Mechanical Engineering, Civil Engineering, Metallurgical Engineering, Chemical Engineering, Aeronautical Engineering, ECE, EEE, CSE and related disciplines working in Universities and Colleges.
- The faculty members have to be sponsored by the concerned Principal of the College/Head of the Institution for considering the participation in the Programme.

How to apply:

- The faculty members desirous to participate in the program are requested to register their details through online mode at <https://jntuhhrdc.in/delegate-registration> on or before 29th September 2025.
- Login to UGC HRDC Portal and register as participant by visiting: <https://jntuhhrdc.in/delegate-registration>
- A filled-in form of application duly signed by the faculty member and forwarded by the Head of the Institution. And letter of forwarding from the Head of the Institution, should be uploaded in HRDC <https://jntuhhrdc.in/delegate-registration> portal on or before the last date.

Confirmation by Participants:

- Confirmation by Participants is a must, as per the date specified overleaf. If the confirmed number of participants is less

Resource Persons:

- Resource persons are drawn from different Universities, Institutions, and R&D establishments.

Selection Criteria:

- Selection will be done based on *first-come-first-serve basis* to a maximum number of 80. The list of selected participants will be intimated through E-mail.

Important Dates:

Last date for the receipt of application through online: **29th September**

Intimation of selection to the participants through e-mail: **30th September**

Course duration: **06-10-2025 to 21-10-2025**

Course Timings: **10.00 AM to 1.15 PM & 2.00 PM to 5.15 PM**

Address for all Correspondence

Dr. M. Sushama

Professor, Dept. of EEE & Director (I/c)

**UGC-Malaviya Mission Teacher Training Centre
Jawaharlal Nehru Technological University
Hyderabad, Kukatpally, Hyderabad –
500 085, Telangana.**

Please contact: 8008103814

(All working days from 10.30 am to 5.00 pm only)

or directorhrdcjntuh@jntuh.ac.in for more enquiries about the Short Term Course

Web: www.jntuhhrdc.in

Instructions to the Participants for Online Course:

- Filling the registration form is mandatory.
- Attendance for all the sessions, Completion of activities, assignments and online tests given by the Resource Persons are mandatory.
- All sessions will be conducted in Google Meet.
- Link will be provided a day in advance.
- Limited seats are available on a First-Come-First-Serve basis.
- During the course, each teacher-participant will be required to work on a mini Project important topics related to the theme of this course
- There will be an online assessment test in the form of MCQ's. An online certificate will be issued to those who have successfully attended the 12 days programme and qualified the assessment test.